

12131

TRAFFIC ASSIGNMENT

FOR

T.H. 13 - S.P. 7001-25, 1901-30

**Jct. T.H. 101 W. of Savage
to 0.75 miles W. of Jct. T.H. 35W**

PLANNING SURVEY UNIT FILE 3203

Prepared: August, 1962

MINNESOTA HIGHWAY DEPARTMENT

PLANNING AND PROGRAMMING DIVISION

PLANNING RESEARCH SECTION

IN COOPERATION WITH THE

U.S. BUREAU OF PUBLIC ROADS

HIGHWAY - Planning & Programming

D. T. Burns
Attn: F. L. Baker

August 20, 1962

Johan Nygaard

T.H. 13, S.P. 7001-25, 1901-30, Jct. T.H. 101 W. of Savage to
0.75 miles W. of Jct. T.H. 35W

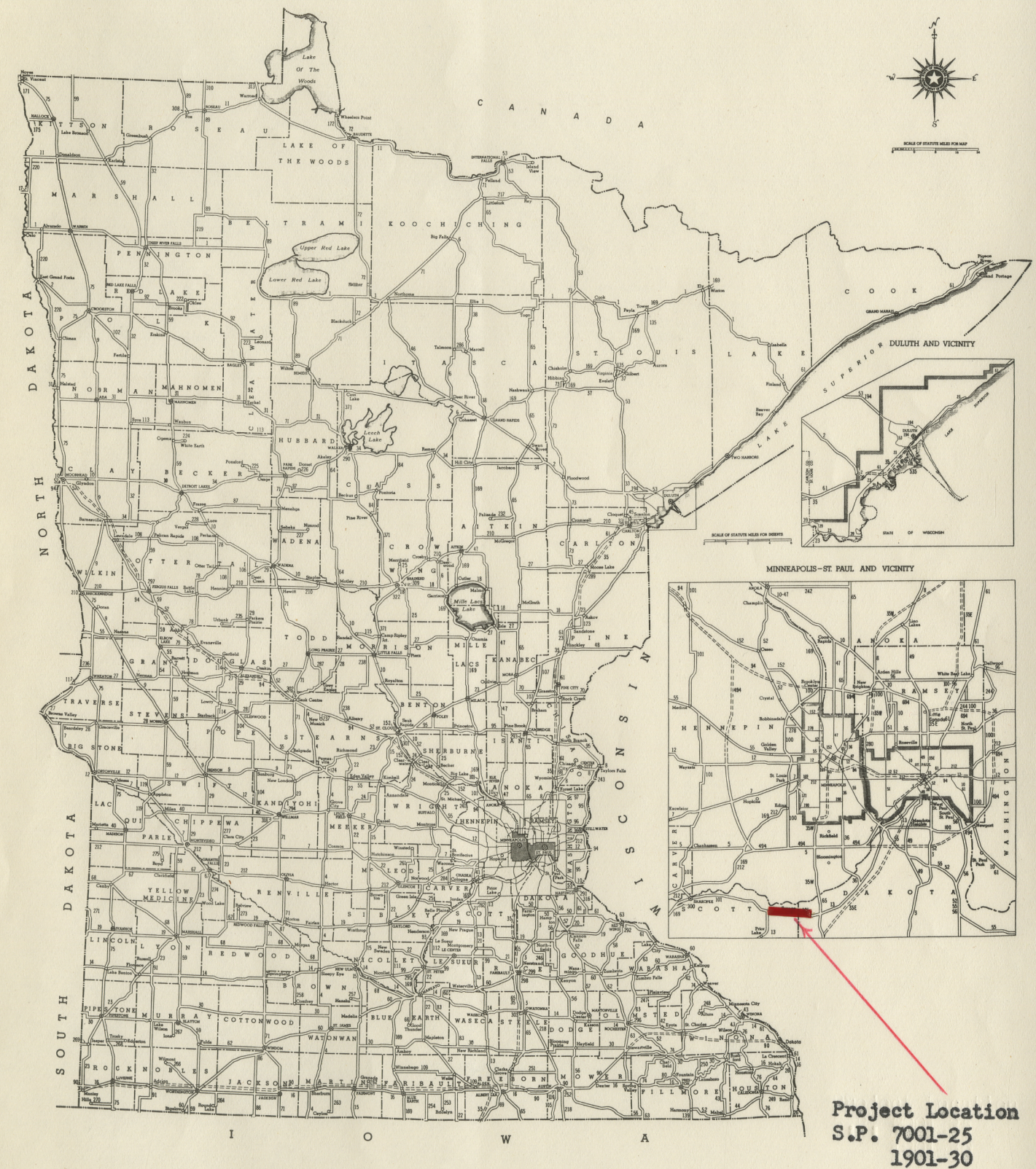
The attached report is submitted in response to your August 6,
1962 request for 1982 ADT, DHV and HC ADT by vehicle type for
the project location shown on the map on page 2.

For each segment numbered on the map on page 3, the following
data are tabulated on the form on page 4:

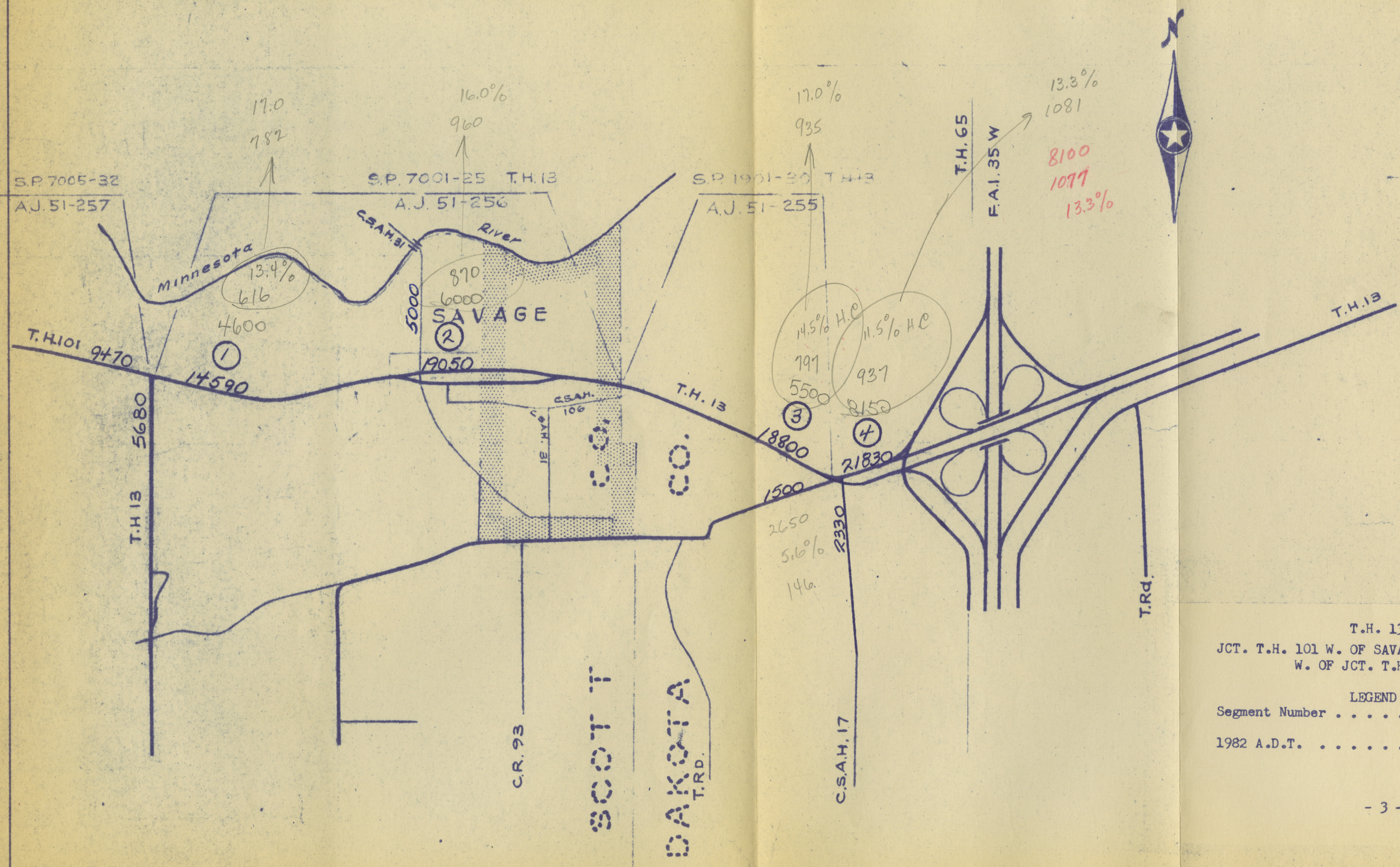
- a) Vehicle Type Distribution
- b) Total ADT
- c) Total Heavy Commercial ADT
- d) Total DHV Without Directional Distribution
- e) Directional Distribution of DHV

Basic data, method and assumptions required to prepare the 1982
traffic estimates are presented on page 5 and 6.

JN:bb
Attach.
BB



Black = 1960
 Red = 1962



T.H. 13
 JCT. T.H. 101 W. OF SAVAGE TO 0.75 MILES
 W. OF JCT. T.H. 35W

LEGEND
 Segment Number 1
 1982 A.D.T. 14,590

TRAFFIC ESTIMATE DATA

Design Year 1982Part 1 of 1

FOR

T.H. 13 S.P. 7001-25, 1901-30 Length 3.19 Miles
 County Scott and Dakota Location Jct. T.H. 101 W. of Savage
to 0.75 miles W. of Jct. T.H. 35W.

BASED ON

1982 ADT from Planning Survey Unit

SHOWING

Total ADT on Segments 1 through 4 as

Defined on attached Index Map

VEHICLE * TYPE	Segment Number									
	1	2	3	4						
0	12670	16872	16636	19314						
1	586	764	754	976						
2	170	222	220	284						
3	44	44	44	50						
4	468	468	468	478						
5	558	558	558	572						
6	94	122	120	156						
Total ADT	14590	19050	18800	21830						
Total H. Comm. ADT	^{13.4} 1920	^{17.4} 2178	^{17.5} 2164	^{17.5} 2516						
Total DHV	1930	2510	2480	2880						
Directional Distribution	60-40	60-40	60-40	60-40						

* Vehicle Type Code

- 0 = Passenger cars and 4 tire trucks
 1 = Single unit - 2 axle - 6 tire trucks
 2 = Single unit - 3 axle trucks
 3 = Tractor-truck or Semi-trailer - 3 axles
 4 = Tractor-truck or semi-trailer - 4 axles
 5 = Tractor-truck or semi-trailer - 5 axles
 6 = Buses and trucks with trailer

Basic Data, Method and Assumptions

The following data were used to prepare the 1982 traffic estimates for the subject location:

- 1) The ADT volumes for routes in the study area during the past ten years.
- 2) A interview sample of westbound motorists traveling T.H. 101 just east of Shakopee obtained in March of 1962.
- 3) Aerial photos of the Savage-Burnsville area from March, 1962 flights.
- 4) 24-hour machine counts recorded on area routes during August, 1962.
- 5) Annual vehicle classification counts and 30th high hour data for T.H. 169 south of Jordan.

An inspection of aerial photos of the Savage-Burnsville area revealed the existing and potential residential area. Approximately 238 dwelling units were counted in the area immediately west of T.H. 35W and south of T.H. 13. The same area could provide for an additional 412 dwelling units. The 1958 TCAT Study revealed 5.8 trips per dwelling in the Bloomington area west of T.H. 35W. Using 5.0 trips per dwelling unit for the study area; trips generated, diverted and normal traffic growth total to 21,830 ADT for 1982 on Segment 4. The 1975 volume for this segment would be 17,000. Traffic estimates prepared for the 104 (b) 5 Study indicated the 1975 estimate would be 15,000 ADT.

A description of methods, applicable to traffic estimates for the subject location, were included in our July, 1962 transmittal of File 3203 for T.H. 101 and T.H. 13, between Shakopee and 0.21 miles west of the west corporate limits of Savage.